

Owners Manual

Rotary Lawnmower

Models 30, 35, 70 and 75



PREFACE


Congratulations on your purchase of a quality Rover Product, Australian made and owned.


This manual covers the operation and maintenance of the Rover walk behind mower. Please read and understand this owner’s manual before using the mower.

If any point is unclear. Contact Rover Mowers Limited, or any Rover Mower Service Dealer.

Rover Mowers Limited reserves the right to make changes and add improvements to its products at any time, without notice or obligation. The Company also reserves the right to discontinue manufacture of any product at its discretion at any time.

To emphasise special information the following WARNING and CAUTION highlights are used.

	WARNING
	The safety of the user and others involved. Personal injury may result should this information be disregarded.

	CAUTION
	Follow these instructions to avoid mower damage and possible loss of warranty.

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SAFETY INSTRUCTIONS

- Never mow while barefoot or wearing open sandals or thongs. Wear long trousers and heavy shoes.
- Know your controls. Read the owner's manual carefully. Learn how to stop the engine quickly in any emergency.
- Make sure the lawn is clear of sticks, stones, bones, wire and debris. They could be thrown by the blades.
- Stop the engine and disconnect the spark plug wire before clearing blockages, checking or working on the mower.
- Before using, always inspect to see that blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.

DAMAGED BLADES AND WORN BOLTS ARE MAJOR HAZARDS.

- Check all nuts, bolts and screws often; always be sure the mower is in a safe operating condition. Use only replacement parts made and guaranteed by the original manufacturer of your mower.
- Refuel outdoors only. Do not smoke while fuelling engine. Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or the engine is hot. If petrol is spilled, do not attempt to start the engine but move machine away from the area of the spill and avoid creating any source of ignition until petrol vapours have dissipated.
- Do not mow whilst people, especially children or pets are in the mowing area.
- Replace worn or faulty silencers.
- Mow only in good daylight.
- Never use the mower unless the grass catcher or guards (rear flap) provided by the manufacturer are in position.
- Start the engine carefully with feet well away from the blades.
- Do not operate engine in a confined space where exhaust fumes (carbon monoxide) can collect.
- Stop the engine whenever you leave the mower, even for a moment.
- Do not allow children or people unfamiliar with these instructions to use the mower.
- Store the mower in a well-ventilated room away from naked flames such as may be found in hot water heaters.
- Do not over-speed the engine or alter governor settings. Excessive speed is dangerous and shortens mower life.
- It is advisable to wear suitable eye protection when operating a mower.
- Turn the fuel off at the conclusion of mowing and reduce the throttle setting during engine run-out.
- Store fuel in a cool place in a container specifically designed for the purpose. In general, plastic containers are unsuitable.
- Stop the engine, disconnect the spark plug wire and inspect the mower if :
 - a) the mower begins to vibrate abnormally; or
 - b) after striking a foreign object.
- Never cut grass while walking backwards.
- Stop the engine before pushing mower across gravel drives, walks or roads.
- Walk, never run.
- Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- Never pick up or carry a mower when it is operating.



CAUTION

To avoid engine damage drain oil and fuel from engine before turning the engine over in any direction.

These machines are covered by one or more of the following Reg. designs and or Patents; *Reg. Designs:* Aust. 131504, 121674, 132232 NZ. 25656, 28617
Patents: Aust. 713852, 729036, 745750
 NZ. 330293, US. 6085508, UK. GR2325139

1. BEFORE OPERATING

1.1 Grass Catcher Assembly (Refer Fig. 1)

1. Position the catcher top over the catcher bottom.
2. Align the barbs on the catcher top with the slots in the catcher bottom.
3. Press firmly down on the catcher top to lock the barbs into the slots.

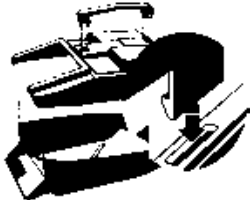


Figure 1 - Grass Catcher Assembly

1.2 Folding Handles (Refer Fig. 2)

- Turn the Locking Knobs to lock or release the handle in either:
 - the operating position or;
 - the folded position for storage

A

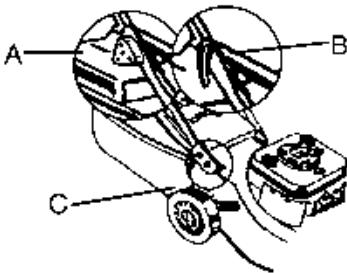


Figure 2 - Handle Bar Adjustment

- Lift the Locking Lever to release the handle bars for folding.
- Push the Locking Lever closed to lock the handle bars in the operating position.
- Adjust the tension by turning the lock nut with a 1/2" AF spanner.

B

1.3 Handle Bar Height Adjustment (Refer Fig 2)

1. Loosen the two bolts (C) at the base of the handle bars on both sides using a 1/2" AF spanner.

C

2. Move the handle bars to the required position and tighten the handle bar bolts.

1.4 Engine Lubrication

Check the engine oil level before starting. (Refer to the Engine Manufacturer's Instructions)

	CAUTION
	To avoid premature engine failure use a clean funnel. Clean oil filler hole.

1. Position the mower on a level surface and clean around the dipstick.
2. Remove dipstick.
3. Insert a clean funnel.
4. Slowly add oil (Refer to the Engine Manufacturer's Instructions).
5. Check oil level. Refer to Engine manufacturers instructions.
6. Replace the dipstick when the oil level is correct.

1.5 Fuel

(Check the Engine Manufacturer's Instructions)

1. Position the mower on a level surface in a well ventilated area.
2. Clean around the fuel tank cap.
3. Remove the fuel tank cap.
4. Place a clean funnel in the fuel filler.
5. Fill the fuel tank with unleaded petrol, allowing room in tank for fuel expansion.
6. Replace the fuel tank cap.
7. Clean up any spilt fuel.

2. OPERATION

2.1 Installing the Grass Catcher (Refer Fig. 3)

1. Raise the rear flap of the mower.
2. Grasp the grass catcher by the top handle, insert into the opening and position it against the rear of the mower as shown.
3. Lower the rear flap so that the back edge of the flap hooks over the lip of the grass catcher.

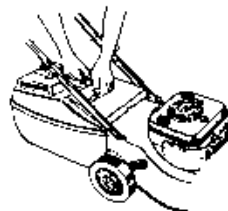


Figure 3 - Installing & Removing Grass Catcher

2.2 Removing the Grass Catcher (Refer Fig 3.)

1. Grasp the grass catcher by the top handle and lift up.
2. Raise the rear flap of the mower while lifting the grass catcher (*this will release the grass catcher*).
3. Lift the grass catcher clear of the mower.
4. Lower the rear flap.

2.3 Adjusting the Height of the Cut

(Refer Fig. 4)

1. Grasp the Cut Height Lever. (A)

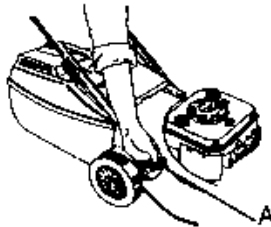


Figure 4 - Adjusting the Height of the Cut

2. Apply an outward pressure to release the Cut Height Lever from the rack.
3. Hold the lever out.
4. Move the lever up or down the rack for suitable height of cut.
5. Engage the lever in the adjustment rack.
6. Release the lever.

2.4 To Start the Engine

ENGINE WITH PRIMER BULB

1. Move the throttle control to FAST position.
2. Prime engine as per engine manual.
3. Grasp the starter handle and pull.

ENGINE WITH MANUAL CHOKE

1. Turn fuel tap ON. (where fitted).
2. Move throttle control to CHOKE position.
3. Grasp starter handle and pull.
4. After engine starts move throttle control to FAST position.

2.5 To Stop the Engine

1. Move the Throttle Control lever to the STOP position.

2.6 Self-Propelled Mowers - Engaging the Drive

1. Start the engine and move the throttle control to the FAST position.
2. Push slowly forward on the clutch engagement lever to engage the self-propelled drive to the rear wheels.

2.7 Self-Propelled Mowers - Disengaging the Drive

1. Release the clutch engagement lever.
2. Allow the clutch engagement lever to return to the disengaged position.

	CAUTION
	To avoid excessive clutch wear. Do not hold the engagement lever in a semi-engaged position to slip the clutch.

3. MAINTENANCE - General

	CAUTION
	<ul style="list-style-type: none"> • Do not allow dirt to enter the air tube, engine damage may occur. • Check the condition of the air tube regularly and replace if damaged.

3.1 Engine Air Cleaner

(Refer to the Engine Manufacturer's Instructions for detailed cleaning instructions)

The engine air cleaner element must be serviced after each **25 hours of normal mowing**. The element must be serviced more regularly if the mower is used in dusty conditions.

3.2 Snorkel Air Cleaner (Refer Fig. 5)

Where Fitted

The snorkel air cleaner element must be serviced after each **50 hours of normal mowing**. The element must be serviced more regularly if the mower is used in dusty conditions. Replace immediately if the element is damaged.

1. Disconnect the air tube from the element holder.
2. Remove the holder cap.
3. Remove the cartridge and tap gently on a flat surface to remove dirt.
4. Replace element in holder and replace holder cap.
5. Replace the air tube to the bottom of the element holder.

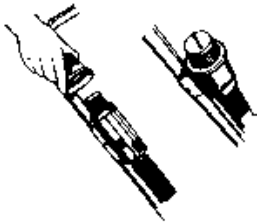


Figure 5 - Snorkel Air Intake

3.3 Spark Plug

For best results remove and check the condition of the spark plug *N.B: every 100 hours of use.*

1. Stop the engine and remove the spark plug wire.
2. Clean dirt from around the spark plug and remove the spark plug.
3. Clean the electrodes and set the gap to 0.7 to 0.8mm. If a new plug is required refer to the engine manual for the correct spark plug.
4. Screw the spark plug into the engine and tighten to 20Nm and replace spark plug wire.

	CAUTION
	Do not over tighten the spark plug as engine damage may occur.

3.4 Cutting Assembly

	WARNING
	Remove the spark plug wire before working on the cutting assembly.

1. Disconnect the spark plug wire.
2. Move the height of Cut Lever to the high cut position and fold the handle bars.
3. Tilt the mower so that the spark plug is up.
4. Inspect the cutting assembly for damage and wear.
5. Check the disc retaining bolts. Tighten the centre bolt to 65-70 Nm and the three concentric bolts to 8-11 Nm.

6. Return mower to its normal position and replace the spark plug wire.

3.5 Blade Change (Refer Fig. 6 and 7)

1. Disconnect the spark plug wire.
2. Set the mower to the high cut position.
3. Lift the rear flap and prop open to give access to the blades. (Fig 6)

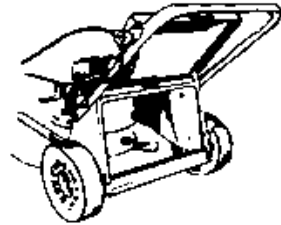


Figure 6 - Blade Change

4. Remove the blade, blade retaining bolts, nuts and washers and discard.

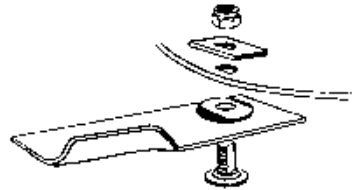


Figure 7 - Blade Attachments

5. Fit new blades, blade bolts, washers and nuts in sets to maintain balance.
6. Tighten the blade nuts to 16 Nm. Check the blades are free to move when the blade nut is tensioned.
7. Remove the flap prop and replace the spark plug wire.

3.6 Throttle Control

Each 25 hours of mowing use a small amount of light oil to lubricate the throttle control lever.

3.7 Washport Cleaning - Where fitted (Refer Fig. 8)

	CAUTION
	Do not hose the engine. Water may contaminate the fuel system.

1. Run the engine at a moderate speed.
2. Direct water through the wash port.

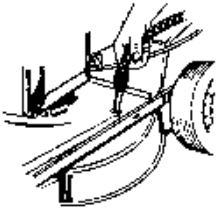


Figure 8 - Washport Cleaning

4. MAINTENANCE - Self Propelled Mowers

4.1 Clutch Adjustment (Refer Fig. 9)

Every 25 Hours

1. Start engine.
2. Engage drive bale.
3. Rotate thumb wheel (A) anti-clockwise until the rear wheels drive.
4. Release drive bale.

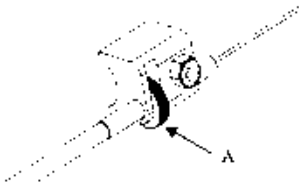


Figure 9 - Clutch Adjustment

4.2 Drive Belt Adjustment (Refer Fig. 10)

Every 25 Hours

1. Remove the spark plug wire.
2. Raise the rear flap and prop open. (Fig. 6)
3. Remove the back panel.
4. Loosen the gearbox retaining nut. (A)

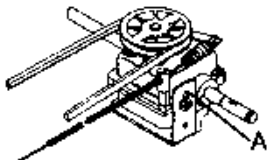


Figure 10 - Belt Adjustment

5. Tilt the gearbox backwards to tension the drive belt.

6. Tighten the gearbox retaining nut. (A)
7. Replace the back panel.
8. Refit the spark plug wire.

4.3 Drive Wheel Cleaning (Refer Fig. 11)

Every 25 Hours

1. Remove the spark plug wire.
2. Support the rear wheels off the ground and remove the wheel cap. (A)
3. Remove the ratchet plate (B) retaining the wheel (C) to the axle.
4. Remove the wheel from the axle and clean the inside of the wheel hub.
5. Replace the wheel and retain using a new ratchet plate (B). Replace the wheel cap and the spark plug wire.

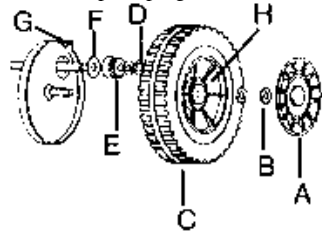


Figure 11 - Drive Wheel Cleaning / Lube

4.4 Drive Pawl Lubrication (Refer Fig. 11)

Every 25 Hours

1. Remove the spark plug wire.
2. Support the rear wheels off the ground.
3. Remove the rear drive wheel cap (A), the ratchet plate (B) and the drive wheel. (C)
4. Remove the circlip (D) retaining the drive pinion (E) to the axle and slide the pinion and washer (F) off the shaft.
5. Lightly grease the pawl (G) and slot and refit the drive pinion and washer, retaining them with the circlip. (D)
6. Replace the wheel and retain using a new ratchet plate and refit the wheel cap.
7. Replace the spark plug wire.

4.5 Drive Pinion Lubrication (Refer Fig. 11)

Every 25 Hours

1. Remove the wheel cap. (A)
2. Support the rear wheels off the ground.
3. Rotate the wheel to align the oil hole (H) with the pinion gear and apply several drops of oil.
4. Replace the wheel cap and lower to the ground.

	CAUTION
	Do not over tension the belt.

Warranty Conditions

Australia & New Zealand Only

Rover Mowers Limited warrant that this machine is free from defects in material and workmanship. This warranty is limited to making good or replacing any part which appears upon inspection by the manufacturer or his agent to be defective in material or workmanship.

The engine used to power this machine is warranted by the manufacturer whose warranty statement has been included with the machine. As the warranty for the engine may differ from the warranty for the other components, you are advised to read the engine manufacturer's warranty carefully.

For other items this warranty shall apply for a period of 12 months from date of purchase except for products used commercially where the warranty is limited to 90 days.

This warranty does not obligate the manufacturer, his agents or dealers to bear the transport costs incurred in the repair or replacement of any defective part.

This warranty excludes fair wear and tear, or any damage caused by misuse or abuse. Parts such as blades, blade bolts, v-belts and spark plugs, which can be subjected to use beyond their normal intended working capacity are also excluded.

This warranty is void if parts other than genuine have been used or if repairs or alterations have been made without the manufacturer's written authority.

The above warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or any other relevant legislation which implies any condition which cannot be excluded.

**REMEMBER:
PROOF OF PURCHASE IS THE
RESPONSIBILITY OF THE OWNER AND IS
NECESSARY PRIOR TO WARRANTY WORK
BEING UNDERTAKEN. REPAIRS MUST BE
CARRIED OUT BY AN AUTHORISED DEALER
AND GENUINE SPARE PARTS MUST BE USED
OR YOUR WARRANTY WILL BE VOID.**

For your Record:

Dealer's Name:
Dealer's Address:
Dealer's Phone No:
Product Model No:
Product Serial No:
Date of Purchase:



Quality
Endorsed
Company

ISO 9001 L3 '0168
Standards Australia

Rover Mowers Limited reserves the right to make changes and add improvements to its product at any time without notice or obligation. The Company also reserves the right to discontinue manufacture of any product at its discretion at any time.

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Mowers Limited

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This Rover Owners Manual has been printed on recycled paper as a sign of Rover Mowers commitment to Greening Australia and New Zealand.



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